

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

19 1984 March 13, 1984

BLRD-50-438/84-20
BLRD-50-439/84-19

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - ITT GRINNELL PIPE SUPPORTS
DESIGNED WITH SWAY STRUTS INSTEAD OF REQUIRED GAPS - BLRD-50-438/84-20 AND
BLRD-50-439/84-19 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on February 16, 1984 in accordance with 10 CFR 50.55(e)
as NCR BLN BLP 8404. Enclosed is our first interim report. We expect to
submit our next report by February 13, 1985. We consider 10 CFR Part 21
applicable to this deficiency.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Records Center (Enclosure)
Institute of Nuclear Power Operations
1160 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
ITT GRINNELL PIPE SUPPORTS DESIGNED WITH SWAY STRUTS
INSTEAD OF REQUIRED GAPS
BLRD-50-438/84-20 AND BLRD-50-439/84-19
10 CFR 50.55(e)
NCR BLN BLP 8404
FIRST INTERIM REPORT

Description of Deficiency

Seismic pipe supports designed by ITT Grinnell, Providence, Rhode Island, which are used on safety-related systems have sway struts specified where the piping analysis load tables generated by TVA require gaps ranging from 1/16 to 1/8 inches in the restrained direction. The sway struts (ITT Grinnell Figure 211) do not specify any allowable movements in the restrained direction in the load capacity data sheets. The deficient supports which have been identified are as follows:

1RT-MPHG-A052 Sh3
1RT-MPHG-A052 Sh4
1RT-MPHG-B052 Sh3
1RT-MPHG-B052 Sh4
ORF-MPHG-0300 Sh1

The cited supports were designed for use on the standby diesel generator and controls (RT) system and the high-pressure fire protection (RF) system.

Interim Progress

TVA has reviewed all of the TVA load tables pertinent to the ITT Grinnell contract to identify the supports which require gaps in the restrained direction. TVA is currently reviewing the related ITT Grinnell detail sheets to determine if the gaps were incorporated into the design.